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1947
*Rose and
Fruit Tree*
BOOK

E. James Nursery
8715 MacARTHUR BLVD.
OAKLAND 3, CALIFORNIA

3 "All America" ROSES

Charlotte Armstrong (Plant Pat. 455). Beautiful long, pointed buds are clear, cerise pink; open to neatly-tailored spectrum-red flowers. \$1.50.

Grand Duchess Charlotte (Plant Pat. Pending). Chestnut-red buds are long, tapering. Open flowers tomato-red. Good foliage. \$1.50.

Peace (Mme. A. Meilland) (Plant Pat. 591). Called "the best new rose in a decade", and well deserves it. Yellow buds with cerise edges open to luscious flowers of alabaster-white edged pink. Beautiful foliage. \$2.50.



CHARLOTTE ARMSTRONG (Pat. 455) . . . \$1.50

GRAND DUCHESS CHARLOTTE (P.P.) . . . \$1.50

PEACE (Pat. 591) . . . \$2.50



PLANT *Trial-Tested* ROSES



The primary reason for the development of the excellent new varieties of roses in recent years was the organization of the All-America Rose Selections. This association of the principal rose hybridizers and growers sponsors a series of trial gardens, the most famous of which are the Portland International Rose Test Gardens, known to all residents of the Coast who have visited Washington Park in Portland, Oregon.

There are 15 other rose test gardens in varying climates throughout the United States. In these gardens new roses are tested and scored twice each year. Varieties receiving the highest total scores are acclaimed "All America" selections. From these, as well as standard varieties of many years' dependable performance, we select the roses best adapted to our Central California conditions for presentation in our catalog.

The planting season for bare-root roses begins in late December and continues until about the middle of March. Some varieties will be available for later planting from stock growing in containers at slightly higher prices.



James'

Finest

BUSH ROSES

American Beauty. The cerise-red rose that has been popular for decades. \$1.25.

Anne Poulsen (Plant Pat. 182). Semi-double flowers of scarlet-crimson on robust plants. Blooms continuously from spring to late fall. \$1.50.

Autumn. Beautiful combination of burnt-orange, bronzy-red and yellow. \$1.25.

Betty Uprichard. Salmon - pink flowers stained coppery-pink on the outside. \$1.25.

California (Plant Pat. 449). Orange buds toned saffron-yellow. Outer side of petals overlaid with rose. Robust. \$1.50.

Cecile Brunner. Prized for its dainty pink buds and tiny open flowers. \$1.25.

Christopher Stone. Vivid scarlet flowers are overlaid with velvety-crimson. Delicious damask fragrance. \$1.25.

Condesa de Sastago. Inside of petals are rosy - red; outside golden-yellow. \$1.25.

Crimson Glory (Plant Pat. 105). Dark red rose, fully double, with delightful fragrance. \$1.50.

Cynthia. Long, slender buds are orange-red, opening to double blooms of rich coppery-rose. \$1.25.

Dainty Bess. Popular shell-pink single rose with crimson stamens. \$1.25.

Dame Edith Helen. Large, double, clear pink blooms with fine fragrance. Robust; profuse flowering. \$1.25.

(Continued on Page 4)

6 ROSE FAVORITES

Pictured at right
ALL SIX

\$6.00

(\$7.50 value)

Tax 15c

Postpaid in California

AUTUMN

ETOILE DE HOLLANDE

MRS. P. S. DUPONT

PINK DAWN

McGREDY'S YELLOW

CONDESSA DE SASTAGO





E. G. HILL, \$1.25

GIVE ROSES . . .

A gift of roses to anyone with a garden provides the recipient with years of enjoyment from their gorgeous blooms. We suggest that you write to us or call at our nursery for a Rose Gift Order.

The order, together with your card and a copy of this catalog, will be mailed to reach the favored party just before Christmas, or will be given to you for presentation in person. Our roses are postpaid in California.

A Rose Gift Order may be used to apply on the purchase of other kinds of plants or nursery merchandise if the recipient so desires.

BUSH ROSES (Continued)

Duquesa de Penaranda. Good in bud and open flower. Buds orange; open blooms golden peach. \$1.25.

Eclipse (Plant Pat. 172). Long, slender buds and open flowers are clear yellow. \$1.50.

E. G. Hill. Holds its brilliant scarlet color without fading. Good foliage; excellent fragrance. \$1.25.

Else Poulsen. Semi-double, rose-pink polyantha with lasting, fragrant flowers. \$1.25.

Etoile de Hollande. Considered the most dependable red rose in our area. Good in bud and open; fragrant. \$1.25.

Frau Karl Druschki. Dependable white rose with large buds tinged pink on outside. White when open. \$1.25.

Golden Rapture. Buds beautifully formed; flowers are clear, light yellow. \$1.25.

Heart's Desire (Plant Pat. 501). Luminous-red flowers prized for their marvelous fragrance. \$1.50.

Hinrich Gaede. Well-formed rust-red buds open to double rose-pink blooms with brilliant orange tones. \$1.25.

Joanna Hill. Apricot buds of good form; open flowers apricot-yellow. Dependable in hot weather. \$1.25.

Mary Margaret McBride (Plant Pat. 537). Deep coral-pink blooms are nicely-formed; open flowers clear coral-pink shaded gold at base of petals. \$1.50.

Margaret McGredy. Brilliant orange-scarlet and oriental red, changing to carmine-rose. \$1.25.

McGredy's Ivory. Immense white blooms open from warm ivory buds. \$1.25.

McGredy's Scarlet. Buds and blooms are dark, glowing rose. Delightfully fragrant; good for cutting. \$1.25.



MME. HENRI GUILLOT (Pat. 337), \$1.50



CALIFORNIA (Pat. 449), \$1.50

BUSH ROSES (Continued)

McGredy's Yellow. Vigorous and dependable. Buds and flowers clear, light yellow; deeper in fall. \$1.25.

Mme. Edouard Herriot (Daily Mail). Profuse blooms are a vivid mixture of coral-red and flame-pink. \$1.25.

Mme. Henri Guillot (Plant Pat. 337). Striking orange-red buds and rich raspberry-pink open blooms. \$1.50.

Mirandy (Plant Pat. 632). Large, deep, dark-red buds open to chrysanthemum-red blooms. Very fragrant. \$2.50.

Miss Edith Cavell. Brilliant crimson polyantha with white centers. Blooms profusely. \$1.25.

Mrs. E. P. Thom. Long stems and perfect buds of rich yellow; very good open flowers. \$1.25.

Mrs. P. S. Dupont. Reddish-golden buds open to well-formed fragrant flowers of deep gold. \$1.25.

Mrs. Sam McGredy. Large, double, fragrant flowers of coppery-orange-pink. Good glossy foliage. \$1.25.

Picture. Splendid, dependable, true-pink roses borne profusely on strong plants. Fragrant. \$1.25.

Pink Dawn. You will enjoy the well-formed rose-pink blooms and healthy foliage of this rose. \$1.25.

Pinocchio (Plant Pat. 484). Charming polyantha with dainty salmon-pink and gold blooms in profusion. \$1.50.



PICTURE, \$1.25

QUANTITY RATES

(Do not apply to Collections or Patented Varieties)
10% DISCOUNT FOR ORDERS OF 12 ROSES OR MORE

Patented Varieties:

3 \$2.50 roses of same variety, \$6.75

3 \$2.00 roses of same variety, \$5.00

3 \$1.50 roses of same variety, \$3.75

Prices on all varieties subject to change without notice



GOLDEN RAPTURE, \$1.25



HINRICH GAEDE, \$1.25

BUSH ROSES (Continued)

Pres. Herbert Hoover. Vigorous plants produce dazzling blooms of apricot and rose-red. \$1.25.

Saturnia (Plant Pat. 349). Beautiful two-toned rose. Inside warm cardinal-red; outside salmon-yellow and copper. \$1.50.

Signora (Plant Pat. 201). Orange-cerise with deeper veining. Base of petals flushed pink and gold. \$1.50.

Southport. Vivid, scarlet-red with a satiny sheen. Does best away from foggy climates. \$1.25.

Talisman. Blend of gold, apricot, pink and carmine makes this rose an ever-popular favorite. \$1.25.

Texas Centennial (Plant Pat. 162). Tight buds and high-centered flowers deep rose, almost red. \$1.50.

The Doctor. Large buds and flowers of perfect form; deep glowing pink. One of our best pinks. \$1.25.

CLIMBING ROSES

Belle of Portugal. Large, flesh-pink flowers are among the first roses to appear in spring. \$1.25.

Blaze (Plant Pat. 10). Combines the vigor and beauty of Paul's Scarlet with a long blooming season. \$1.50.

Clg. Cecile Brunner. Dainty pink buds and flowers borne all through the season. \$1.25.

Clg. Etoile de Hollande. Flowers as gorgeous as the bush rose form, and more of them. \$1.25.

Clg. Golden Emblem. The standard golden yellow climber, with lush green foliage. \$1.25.



CLIMBING MRS. SAM MCGREDY, \$1.50



CLIMBING MRS. E. P. THOM, \$1.25

Clg. Heart's Desire (Plant Pat. Pending). Luminous red, wonderfully fragrant flowers. \$2.00.

Clg. Hoosier Beauty. A vigorous climbing form of a long-time favorite red rose. \$1.25.

Clg. McGredy's Yellow. Sturdy climbing type of the popular light-yellow rose. \$1.25.

Clg. Mrs. E. P. Thom. Good, rich yellow flowers, long stems and vigorous growth. \$1.25.

Clg. Mrs. Sam McGredy (Plant Pat. 394). Unsurpassed for brilliant coloring and glossy foliage. \$1.50.

Clg. Pres. Herbert Hoover. Rampant climber with apricot and rose-red flowers. \$1.25.

Clg. Talisman. Blend of gold, apricot, pink and carmine; a dazzling and eye-filling climber. \$1.25.

Paul's Scarlet Climber. Generous clusters of vivid scarlet flowers maintain its everlasting popularity. \$1.25.

Silver Moon. Single white flowers and lush foliage. Best where quick cover is desired. \$1.25.

"TREE" ROSES

For garden accent, for lining walks and paths, to complete the perfect formal rose garden, standard or "tree" roses are the wise choice and a colorful landscaping medium. The plants offered here have sturdy trunks, good roots, and well-balanced heads. We suggest an early order; the supply is limited.

VARIETIES AVAILABLE

(See bush rose section for descriptions)

AUTUMN	MRS. E. P. THOM
CYNTHIA	MRS. P. S. DUPONT
CHRISTOPHER STONE	MRS. SAM MCGREDY
E. G. HILL	PICTURE
ETOILE DE HOLLANDE	PRES. HOOVER
F. K. DRUSCHKI	TALISMAN
HINRICH GAEDE	TEXAS CENTENNIAL
MCGREDY'S YELLOW	

BARE ROOT, \$5.00 EACH

(After February 15th, in 5-gallon containers @ \$6.00)

Follow These Simple Rules for Success With Roses

PLANTING. Unwrap the roses soon as received. If the roots are dry, plunge entire plant in a bucket of water overnight. If moist, dampen packing material and carefully rewrap. Keep moist and cool until planting time. While digging holes to receive the roses, keep them in a bucket of water (Fig. 1). Dig spacious holes, mounding soil in center. Place the roots over the mound and set the bud union at ground level (Fig. 1), and fill in with top-soil (Fig. 2). Soak with a slow stream of water and fill in with additional soil as required. Construct a ridge around the plants for future irrigation.

PRUNING. Figures 1 & 2 show a rose correctly pruned at time of planting. Note that cuts are made just above an **outside** bud. Figure 3 shows a rose after one season's growth. Shaded portions indicate parts of plant to be removed. Keep the plants open in the center. Don't prune too early; January is a good time.

SPRAYING. A good, all-purpose spray for roses consists of a combination pyrethrum-rotenone insecticide (containing a light oil for spreading) and a fungicide containing copper. This combination controls aphids and mildew, the rose's worst enemies. Begin spraying in early spring and repeat each week as long as necessary.

FERTILIZING. Use a balanced commercial fertilizer, about one heaping trowelful applied in the basin around the plant. Soak soil first, then apply fertilizer, then soak again. Begin fertilizing in late spring and repeat monthly until September. A mulch of well-rotted manure in the dormant season is good. Don't spade near roses; this disturbs shallow roots.

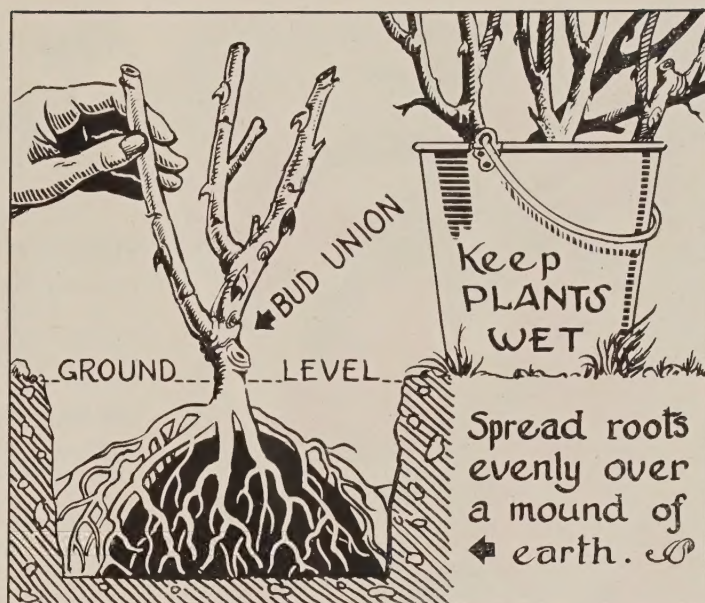


FIGURE 1



FIGURE 2

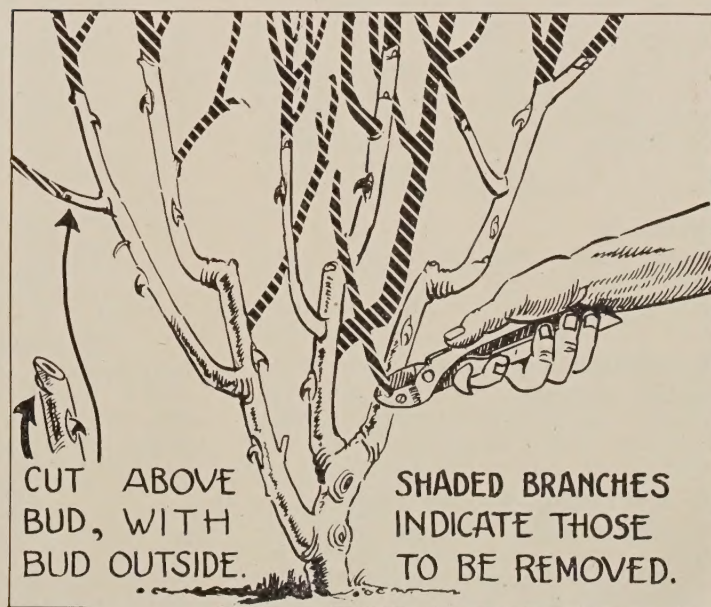


FIGURE 3



FOR ROSE GARDEN CHARACTER . . . THE TREE ROSE



WEIGELA ROSEA

FLOWERING SHRUBS

AZALEAS, Deciduous Varieties

Azalea mollis. Plant in shade in acid soil for brilliant flowers of orange, apricot and yellow. BB 18-24" \$4.50, 15-18" \$3.75.

A. occidentalis (Western Azalea). Fragrant flowers of light pink and white, marked light yellow and buff. Plant in acid soil in shade. BB 18-24" \$4.50.

CYDONIA, Flowering Quince

Long lasting, magnificent blooms in winter and early spring; glossy green foliage throughout summer. Striking arrangements for the home possible when branches are cut in bud and flowers allowed to open with stem in water. Sun.

All varieties: Bare root, 24-30" \$2.50.

Candida. The excellent pure white variety, profuse blooming in two distinct seasons.

Della Robbia. Habit of growth long and arching. Globular lemon-yellow buds open to white flowers, changing to pink. Distinctive ruffled petals.

Fire. The contrast of the fiery-red, large petals and the golden-yellow stamens is a sight to behold.

Pink Beauty. Produces an abundance of good-sized pink flowers with rose shading very early in the season.

DEUTZIA

Deutzia gracilis. One of our best dwarf shrubs. Graceful habit and large clusters of sparkling white flowers in June. Bare root, 12-18" \$1.50.

ERYTHRINA, Coral Tree

Erythrina crista-galli. Tall shrub to 8 feet, becoming ablaze with colorful coral-red flowers in June. Gallon containers, \$1.50. a long season. Bare root, 2-3 ft. \$1.50.

KOLKOWITZIA, Beauty Bush

Kolkowitzia amabilis. Charming shrub with beautiful small trumpet-shaped flowers appearing in May. Pale pink with orange veins in the throat; buds deep pink. Bare root, 2-3 ft. \$1.50.

Now Is the Planting Season for the Deciduous Varieties Described on These 2 Pages

FORSYTHIA, Golden Bell

Forsythia fortunei. Early spring-flowering shrub with graceful arching branches and clusters of bright yellow, bell-shaped flowers. Bare root, 2-3 ft. \$1.50.

HYDRANGEAS

Hydrangea French Hybrids. Available in deeper shades of pink, rose-red and white. Gallon containers, \$1.50.

H. hortensis. The standard pink variety. Masses of flowers all summer, with heavy, dark-green foliage.

KERRIA, Japanese Rose

Kerria japonica. Clean, dark green foliage and upright habit. Very double dark yellow, rosette-like flowers.

PAEONIA, Tree Peony

Mouton. Very large flowers are deep, reddish-purple with brilliant yellow stamens. 5-gallon containers, \$5.00.

Selected Hybrids. Gorgeous flowers in shades of pink, lavender and purple. 5-gallon containers, \$10.00.

Tree peonies are not trees, but become tall shrubs with considerable age. Do not prune until ends of branches have dried back to firm wood. Plant in rich soil in sun.

PHILADELPHUS, Mock Orange

Your grandmother called them Syringas, but Syringa happens to be the botanical name for lilacs.

Philadelphus Belle Etoile. Vigorous plants produce quantities of large, fragrant white flowers with a purplish blotch at the base of each petal. Bare root, 3-4 ft. \$2.00.

P. virginalis. Masses of pure white double

and semi-double flowers cover this shrub in May and June. Fragrant. Bare root, 2-3 ft. \$1.50.

PUNICA, Pomegranate

Fruiting variety will be found on page 10. **Punica granatum nana.** This is the dwarf, compact little shrub with the many orange-red flowers in summer and miniature fruits in fall. Almost evergreen. Gallon containers, \$1.00.

SPIRAEA, Bridal Wreath

Spiraea prunifolia flore plena. The true bridal wreath, with the many tiny, rosette flowers of purest white on gracefully arching stems. Bare root, 2-3 ft. \$1.50.

S. Anthony Waterer. Unlike other spiraeas, this variety blooms in mid-summer. Flat clusters of bright reddish-purple flowers. Bare root, 18-24" \$1.50.

S. Van Houttei. Best known of the spiraeas; creates snowbanks of flowers in May, on long, arching branches. Bare root, 3-4 ft. \$1.50.

TAMARIX

Tamarix africana. Spring flowers are dusty pink, with an interesting background of gray-green, cypress-like foliage. Bare root, 3-4 ft. \$1.50.

T. hispida. Masses of pink flowers and blue-green foliage. Blooms later than *T. africana*. Bare root, 3-4 ft. \$1.50.

VIBURNUM, Snowball

Viburnum opulis sterile (Common Snowball). A spectacular sight in late spring with its masses of huge, white globular flowers. To 8 ft. Sun. Bare root, 2-3 ft. \$1.75.

V. burkwoodi. A fine hybrid form, to 6 ft. Excellent waxy-green foliage, almost evergreen. The glory of this shrub is its large clusters of fragrant pink and white flowers in March and April. BB 18-24" \$4.50.

WEIGELA

Weigela Eva Rathke. Rich, ruby-red trumpet-shaped flowers in April and May on plants well-clothed with medium green foliage. Bare root, 18-24" \$1.50.

W. rosea. Large clusters of bright-pink flowers in late spring and early summer. Bare root, 2-3 ft. \$1.50.

MAGNOLIAS . . .

Magnolia lennei. Saucer-shaped flowers have broad, round petals; outside bright purple, inside almost white. 5-gallon containers, 24-30" \$10.00.

M. lilliflora. Bushy shrub with numerous, slender purple flowers. 5-gallon containers, 24-30" \$10.00.

M. rustica rubra. Shape and color of flowers similar to *Lennei*, but blooms much earlier. 5-gallon containers, 24-30" \$10.00.

M. soulangeana. Large, tulip-shaped flowers are deep rose-pink, fading to light pink with white margins. 5-gallon containers, 3-4 ft. \$12.50.

M. stellata. Rows of slender white petals arranged like water-lily; faintly pink and fragrant when first opened. 5-gallon containers, 18-24" \$10.00.

Lilacs

Recent Introductions

Mood Indigo. The large individual single flowers are deep, orchid-purple; deeper in the bud. Large clusters are borne profusely on robust plants.

Monument. This is one of the really fine single-white lilacs. Rounded clusters are large, handsomely formed, and profuse.

Firmament. Single flowers are sky-blue. Splendid in quantity and shape of clusters and habit of growth.

Prices for the above: Bare root, 3-4 ft. \$4.00, 2-3 ft. \$3.00, 18-24" \$2.00.

Standard Varieties

Leon Gambetta. An old favorite, with double, pinkish-lavender flowers.

Maximowicz (Maxie for short). Excellent flower clusters are double, violet-heliotrope.

Volcan. The nearest to an "old-fashioned purple lilac" but greatly improved. Flowers are single, deep purple.

Prices for the above: Bare root, 3-4 ft. \$3.50, 2-3 ft. \$2.50, 18-24" \$1.75.

FLOWERING TREES

AESCULUS, Horsechestnut

Aesculus carnea (Pink Horsechestnut). Tall, compact tree with bright pink flowers in late spring. Bare root, 8-10 ft. \$8.75.

CERCIS, Redbud

Cercis canadensis (American Redbud). Small tree covered with tiny, deep pink pea-shaped blooms in spring. Bare root, 5-6 ft. \$2.50.

CHERRY

FLOWERING VARIETIES

Kwanzan. Masses of double, deep pink flowers in April.

Naden. Later than Kwanzan; softer pink.

Shirofugen. Pink in bud; open flowers large double white.

Prices for above: Bare root, 4-5 ft. \$3.00.

WEeping FORMS

Park Weeping Cherry. Dainty single pink flowers in showers on drooping branches.

Double Pink Weeping Cherry. Drooping branches cheerfully furnished with double pink flowers.

Price for above varieties: Bare root, 5 ft. trunks, top-grafted heads, \$5.00.

CRATAEGUS, Hawthorn

Crataegus carrierei. Pyramidal tree with white flowers in spring, followed by large, bright-scarlet berries.

C. cordata (Washington Thorn). Small, round-headed tree is brilliant in fall with scarlet foliage and numerous clusters of bright red berries.

C. Paul's Scarlet. Beautiful in spring with masses of double, carmine-red flowers. Companion forms of this variety:

Double Pink, Double White

Price for above: Bare root, 6-7 ft. \$3.50.

CORNUS, Flowering Dogwood

Cornus florida. Small tree for deep shade with attractive white-petaled flowers, satiny in texture. 5-gal. containers, 3-4 ft. \$3.00.

C. florida rubra (Pink Dogwood). Similar to above except that flowers are showy, deep pink. 5-gallon containers, 3-4 ft. \$6.00.

DAUBENTONIA, Scarlet Wisteria Tree

Daubentonia tripetti. Bushy small tree to 6-8 feet, with many clusters of bright, orange-red flowers in early summer. Gallon containers, \$1.50.

LABURNUM, Golden-Chain Tree

Laburnum vossii. Long racemes of golden-yellow, pea-shaped blooms in late April, early May. Clover-like foliage. Bare root, 5-6 ft. \$3.50.

LIPPIA, Lemon Verbena

Lippia citriodora. Prized in the old-fashioned garden for the distinctive fragrance of its foliage and flowers. Gallon containers, \$1.00.

MALUS, Flowering Crabapples

Arnold Crab. Contrasting carmine-red buds and pink, fading to white flowers on a low, spreading small tree.

Bechtel Crab. Prized for its heavy clusters of bright pink, very double flowers. Upright.

Eleyi Crab. Everything about this tree is purplish-red; foliage, flowers and small fruits.

Price for above: Bare root, 4-5 ft. \$2.00.

PRUNUS, Flowering Peaches

Listed in order of flowering:

San Jose Pink. Earliest of all. Bright, double pink flowers.

Early Double Red. Double flowers are really very deep rose-pink, almost red.

Helen Borchers. Medium pink, double flowers of fine individual form appear in abundance in mid-season.

Double White. Chaste white blooms of this tree are a pleasing contrast to the multitude of spring garden colors.

Camellia. Rich, deep rose-pink blooms resemble miniature camellia blooms.



FLOWERING PEACH, HELEN BORCHERS

Prices for above: 6-8 ft. \$2.50, 5-6 ft. \$2.00.

PRUNUS, Flowering Plums

Blieriana. Very early double, bright-pink flowers and purplish-red foliage.

Pissardi. Always interesting with its early single-white flowers, dark-red fruits and purplish-red foliage.

Thundercloud. Literally clouds of snowy-white flowers in spring. Rich purple foliage persists all season.

Prices for above varieties: Bare root, 6-8 ft. \$2.50, 5-6 ft. \$2.00.

Plant SHADE TREES for Beauty and Utility

ACER, Maples

Acer dasycarpum (Silver Maple). Fast-growing and stately. Silver reverse foliage becomes brilliant gold. Bare root, 8-10 ft. \$3.75.

A. negundo (Boxelder). Round-headed tree with light-green foliage like ash. Bare root, 5-6 ft. \$2.50.

A. platanoides (Norway Maple). Moderately quick-growing and very desirable because of its large, lustrous deep-green foliage. Bare root, 6-8 ft. \$3.50.

A. Schwedleri (Schwedler Maple). Variety of Norway maple with brilliant orange buds, coppery new foliage and mature leaves stained purple. Bare root, 6-8 ft. \$3.50.

BETULA, Birch

Betula alba (European White Birch). Noted for its white bark, and its shimmering, light-green leaves. Bare root, 10-12 ft. \$4.50, 8-10 ft. \$3.75, 5-6 ft. \$1.75.

B. alba laciniata (Cutleaf Weeping Birch). Bark like preceding, but foliage is handsomely lacinated on gracefully drooping stems. Bare root, 8-10 ft. \$6.00, 6-8 ft. \$4.50.

FRAXINUS, Ash

Fraxinus velutina glabra (Modesto Ash). Becoming one of our most popular shade trees because of its quick growth and wide spreading branches carrying dark, glossy foliage. Bare root, 8-10 ft. \$3.50, 6-8 ft. \$2.50.

GINKGO, Maiden-hair Tree

Ginkgo biloba. Derives its name from foliage resembling maidenhair fern. Moderately rapid in growth; beautiful in fall with golden yellow foliage. Bare root, 6-8 ft. \$4.50.

LIQUIDAMBAR, Sweetgum

Liquidambar styraciflua. Growth slow and straight; maple-leaf-like foliage beautiful in fall, when it turns a translucent amber-red. 5-gallon containers, \$3.75.

LIRIODENDRON, Tuliptree

Liriodendron tulipifera. Large leaves on a symmetrical tree of moderately rapid growth. Gallon containers, 5-6 ft. \$2.00.

PLATANUS, Sycamore

Platanus orientalis (European Sycamore). Dense, light green, large foliage on a quick growing tree of symmetrical habit makes this a favorite for street planting. Bare root, 10-12 ft. \$4.50; 6-8 ft. \$3.00.

POPULUS, Poplar

Populus canadensis eugenei (Carolina Poplar). An extremely fast grower when provided plenty of soil moisture.

P. nigra italica (Lombardy Poplar). The favorite tree for accent planting along drives and roads because of its slender habit.

Prices for above varieties: Bare root, 8-10 ft. \$3.75, 6-8 ft. \$3.00.

QUERCUS, Deciduous Oaks

Quercus coccinea (Scarlet Oak). Handsome foliage on this moderately-sized tree turns brilliant scarlet in fall.

Q. palustris (Pin Oak). Habit tall, with drooping branches and cut foliage sharply pointed. Pinkish cast to fall foliage.

Q. rubra (Red Oak). Lacinated foliage turns coppery-red in fall. Moderately rapid growth. Prices for above: Bare root, 8-10 ft. \$3.75.

SALIX, Weeping Willow

Salix babylonica. Graceful weeping type with branches drooping to the ground. Foliage slender, pale green. Bare root, 5-6 ft. \$2.50.

SORBUS, Mountain Ash

Sorbus aucuparia. This is the European variety with the large red-berry clusters prominent from mid-summer to fall. Small tree. Bare root, 8-10 ft. \$3.75.

ULMUS, Elm

Ulmus pumila (Chinese Elm). The most satisfactory shade tree where rapid growth under indifferent conditions is required. Given attention and plenty of space, it makes a beautiful, wide-spreading tree. Bare root, 8-10 ft. \$3.75, 6-8 ft. \$3.00.



VALENCIA ORANGE

OTHER SUBTROPICAL FRUITS

GUAVA

Red Strawberry Guava. Very attractive small or medium shrub for full sun. Dense, glossy green foliage on a compact plant. White flowers in spring; small red fruits in late fall and winter make excellent jelly. 5-gallon containers, \$3.50; 1-gallon containers, \$1.00.

OLIVE

Mission. The most picturesque olive tree; introduced by the Padres with the founding of California missions. Abundant fruits are small to medium, excellent flavor when pickled. 5-gallon containers, \$3.50.

PERSIMMON

Hachiya. Large, tapering fruits hang on the tree after scarlet fall foliage is gone. Pick when firm-ripe and store until soft-ripe. Makes delicious salad with avocados. Bare root, 4-6 ft. \$4.00, 3-4 ft. \$3.00.

POMEGRANATE

Wonderful. The principal California variety, beautiful with red flowers in spring and russet-red fruits in fall. The best eating variety. Bare root, 3-4 ft., \$1.25.

HOW TO PLANT CITRUS TREES

Plant like any balled or container-grown evergreen shrub, using care not to disturb the ball of earth around the roots. Do not use fertilizer when planting. Irrigate frequently during the dry season until September. Spray frequently with combination of light oil and pyrethrum-rotenone material. Keep ants out of citrus trees.

For Multiple Enjoyment PLANT CITRUS FRUITS

ALL VARIETIES: \$7.50 EACH

BEARRS SEEDLESS LIME. Trees are semi-dwarf, compact and handsome. Useful fruits in fall and winter.

EUREKA LEMON. Principal commercial and home orchard variety in California. Fruits and flowers are found on this variety through the growing season. The heaviest crop appears in early summer.

KUMQUAT. A dwarf citrus valuable as a tubbed subject for the garden terrace. Winter-ripening tiny fruits are intense orange-red and edible.

MARSH SEEDLESS GRAPEFRUIT. Valuable in our climate for an ornamental tree as blooms and fruits are larger and more fragrant than other citrus and the trees are more heavily clothed with foliage.

MEYER LEMON. Semi-dwarf. One of the best fruiting ornamentals for the home, either bush or tree-form. Covered with fragrant flowers in spring and summer; good supply of useful lemons in winter. Bush, or shrub form: 5-gallon containers, \$3.50 to \$5.00; 1-gallon containers, \$1.25.

PONDEROSA LEMON. Robust tree with huge fruits, large leaves and blossoms. A desirable and useful ornamental tree.

RUBY BLOOD ORANGE. Handsome tree produces small, thin-skinned oranges with red flesh and juice.

VALENCIA ORANGE. The finest summer-ripening orange, particularly enjoyed for its juice. Fragrant white flowers in spring. Fruits develop through summer and ripen following summer.

WASHINGTON NAVEL ORANGE. Fruits are seedless, juicy, and make excellent orange marmalade; trees covered with fragrant white blooms in spring. Ripens in winter.



EUREKA LEMON



RED DELICIOUS

JONATHAN

APPLES . . . *Nation's Favorite Fruit*

Two-year Trees, Caliper 5/8" and up, \$1.50

Gravenstein. The best late-summer all-purpose apple. Medium to large-size fruits with yellow skin, striped red; firm white flesh.

Jonathan. Most popular early fall apple. Size medium to large, shape rounded, with good solid-red color when ripe. Flesh crisp and juicy.

Red Delicious. Fruits large and tapering, excellent all-red color. Flesh tender and very juicy. Ripens in the middle of the apple season.

Red June. The best of the early summer varieties. Fruits small to medium with red blush almost covering skin. Flesh tender and juicy.

Stayman's Winesap. Ripens in late fall. Fruits medium to large-size, skin almost covered with red. Flesh white, very crisp; flavor distinctive.

ALMONDS

Two-year Trees, Caliper 5/8" and up, \$1.50

Ne Plus Ultra. Kernels of this variety considered to have the highest quality. Thin shells and meats are elongated and tapering. A good pollenizer for Nonpareil.

Nonpareil. The best known almond variety, and a good producer. Shells thin and easily cracked; meats plump and good eating. Plant with Ne Plus Ultra for ample crops.

Yellow Belleflower. The best cooking apple for summer. Fruits are large to very large, with a distinct aroma and flavor that persists through cooking.

Yellow Delicious. Fruits shaped like Red Delicious and of equal size, but skin is solid yellow. Flesh tender and juicy and flavor sharper than Red Delicious. Ripens somewhat later.

Yellow Newtown Pippin. Very late and very useful. Keeps well, cooks well and makes an excellent eating apple when picked before fully ripe. Fruits medium large, rounded; flesh white and flavor sharp.

CRABAPPLE

Red Siberian. Colorful with pinkish-white blooms in spring, followed by masses of small red fruits in early summer. Makes excellent jams, jellies and pickled preserves.

WALNUTS

**Two-year Trees, 6 to 8 ft. \$4.50,
4 to 6 ft. \$3.75**

Franquette. The finest commercial and home orchard variety in northern California. Tree grows upright, spreading with age, and when mature, produces large crops of high quality nuts.

Payne. A popular variety in most sections because of its earlier commercial production. Tree is low and spreading and seldom fails to produce a bumper crop, even when young. Quality good.

PEARS

Two-year Trees, Caliper 5/8" and up, \$1.50

Bartlett. Every home orchard should include this variety for eating and preserving. Fruits medium to large, with delicious tender flesh and yellow skin with pink blush.

Comice (rhymes with police). The large, luscious late fall pear stored by commercial growers for Christmas shipping. Skin yellow, blushed russet-red; flesh firm and very juicy and sweet when fully ripe.

Seckel. This is the small, very juicy pear so much in demand for preserving the whole, peeled fruits. Flavor distinct and enticing.

Winter Nelis. Very late and a very good keeper when picked slightly on the green stage. Fruits medium-size and good quality.

QUINCE

Two-year Trees, Caliper 5/8" and up, \$1.50

Pineapple. Large fruits are smooth and globular; clear yellow. Flesh is very tender; can be eaten like an apple; makes excellent jelly.

BARTLETT
PEAR





FREESTONE PEACHES ARE FAMILY FAVORITES

CLING PEACHES

Two-year Trees, Caliper $\frac{5}{8}$ " and up, \$1.50

Seller's Orange Cling. The largest cling peach grown in California and one of the finest yellow-fleshed clings for home canning. Not a commercial variety because of its unusual size. Ripens mid-summer to late summer.

Strawberry Cling. Finest of the white-fleshed clings for the home orchard. Skin blushed and striped red, flesh white, red at the pit. Trees are good producers of large fruits. Ripens in late summer.

PLUMS

Two-year Trees, Caliper $\frac{5}{8}$ " and up, \$1.50

Green Gage. Large fruits are round; greenish-yellow when ripe. Skin is tender; flesh is fine-grained, sweet and juicy. One of the finest plums for eating and home canning. Ripens July-August.

Santa Rosa. Most widely planted plum in California. Fruits are large in size and deep red when ripe. Flesh is fine-grained and juicy, with a spritely tang; yellow when firm-ripe, deep red when fully ripe. Ripens in July.

Satsuma. Popular variety for cooking and home canning. Fruits are large, round and dark red. Flesh is firm and blood-red and very juicy. Give your Satsuma tree plenty of room to grow; branches sweep outward and downward; are loaded with fruit in season. Ripens after Santa Rosa.

HOWARD MIRACLE PLUM

(Plant Pat. Pending)

A new large plum of beautiful appearance and excellent flavor. Thin amber skin is overlaid with mahogany-red blush; amber flesh is fine-grained, sweet and juicy, with a flavor defying description; very small pit. \$2.00 each.

FREESTONE PEACHES

Two-year Trees, Caliper $\frac{5}{8}$ " and up, \$1.50

Early Crawford. Earliest good yellow freestone. Fruits are medium to large in size and the skin is attractively blushed. Flesh is firm, juicy and sweet, red at the pit. Ripens early July.

Early Elberta. A sport of the nation's 50-year favorite, ripening about three weeks ahead of its parent. Fruits are medium to large in size and have all the good characteristics of the popular yellow-fleshed Elberta.

Elberta. More widely known than any other peach; good for eating fresh, canning and freezing. Skin of large fruits handsomely blushed; flesh firm, juicy and delicious, red at the pit. Ripens middle to late August.

Hale's Early. One of the finest white-fleshed freestones. Fruits are large to very large in size; skin blushed. Flesh white, red at the pit; tasty and exceedingly juicy. Ripens in July.

J. H. Hale. Large in size and almost fuzzless skin. Flesh is deep yellow, red at the pit, and very firm. Delicious flavor and good eating and canning qualities make this a favorite. Ripens after Elberta.

Mayflower. The earliest-ripening peach. Fruits small to medium in size and abundantly borne on strong trees. Flesh white; partially clings to the pit. Ripens late June.

Nectar (Plant Pat. No. 86). Choice early free-stone peach for the home orchard. Large fruits are almost free of fuzziness. White flesh imparts pleasing aroma and delicious flavor reminiscent of the nectarine. Ripens in early July. **Add 20 cents royalty.**

Rio Oso Gem (Plant Pat. No. 84). By far the finest yellow-fleshed free-stone for the late season. Ripens after J. H. Hale. Very large fruits are handsome. Flesh firm, sweet and juicy. Equally fine eating, canning and freezing. September. **Add 10 cents royalty.**



SATSUMA PLUMS

APRICOTS

Two-year Trees, Caliper $\frac{5}{8}$ " and up, \$1.50

Blenheim. The leading California variety used for canning, shipping and drying. Fruits are medium to large, round in shape and attractive in appearance. Flesh is highly colored, pit is small, and quality very good. Trees are robust growers and consistent producers. Ripens in mid-July.

Moorpark. Many people consider this variety the finest-flavored and most delicious of all apricots. The fruits are extra large in size and ripen just after Blenheim. Production is not so heavy with this variety as it is with the Blenheim but enough to satisfy home orchard requirements.

Royal. Very similar to Blenheim and some strains are thought to be identical. The true Royal, however, ripens a few days ahead of Blenheim and seems to do best near the coast where there are comparatively few days with low temperatures in winter. Strong trees are abundant producers.

NECTARINES

Two-year Trees, Caliper $\frac{5}{8}$ " and up, \$1.50

Gower. A very good nectarine for the early July season. Large fruits have skin heavily blushed red. Flesh is white, red at the pit, freestone, and heavily flavored with the delicious nectarine tang.

Stanwick. The standard nectarine variety in California for commercial and home orchards. Fruits are large and handsomely blushed red. Flesh is white, red at the pit, and entirely freestone. Delicious when canned whole or in halves. Ripens in August.

FIGS

One-Year Rooted Cuttings, Caliper $\frac{5}{8}$ " and up, \$1.50

Brown Turkey. Very large, elongated fruits are purplish-brown and very good looking. Flesh is sweet, a rich strawberry-red. Trees have a wide-spreading habit and produce abundant crops. A good variety in any section. Ripens in early summer.

Kadota. The best home canning and preserving variety. Trees are small in stature and bear heavy crops of small to medium-sized greenish fruits with very sweet pink flesh. Ripens in midsummer.

Mission. The traditional California variety introduced by the Padres and still a popular variety. Trees grow erect and spread with age and become very large, producing two distinct crops of medium to large figs. Shape is elongated; skin very dark purple, almost black; pink flesh very sweet and tasty.

White Adriatic. Commercially the leading drying fig in the state, but a good home orchard eating and canning variety for the coast. Fruits are medium in size, with a rounded shape and greenish skin. Flesh is raspberry-red and excellent in quality.

PRUNES

Two-year Trees, Caliper $\frac{5}{8}$ " and up, \$1.50

French Improved. The leading all-purpose prune in California. Small to medium-sized fruits are borne abundantly; dark blue in color. Amber flesh is fine-grained and juicy, with an excellent sweet flavor. Ripens in September.

Sugar. Earlier and larger than the French prune. Oval fruits are dark-purple in color and covered with a silver "bloom". Flesh is very sweet and juicy, making Sugar a very desirable variety for canning. Plant with French Improved for cross-pollination.

HOW TO PLAN YOUR FAMILY ORCHARD

1. Lay out the position of the trees on a scale drawing of your lot. Spacing should be 18 to 25 feet for fruit trees; 35 to 50 feet for walnuts. Allow 15 feet between tree and property line.
2. Select varieties according to time of ripening so that crops will bear at intervals throughout the season. Write names in plot plan.
3. Order early to avoid disappointment.



CHERRIES

Two-year Trees, Caliper $\frac{5}{8}$ " and up, \$1.50

Bing. The leading black cherry and considered by many to be the best eating. Deep maroon fruits are large and heart-shaped. The flesh is firm and flavor sweet when fully ripe. Ripens in early June.

Black Tartarian. Ripens earlier than Bing and produces abundant crops of medium to small black fruits. Flesh is tender and has a very delicious flavor when fruits are picked fully-ripe from your own tree.

Royal Anne. The leading canning cherry because of its firm texture and tasty flavor. Trees grow quickly to large size and produce abundant crops of amber and red fruits. Ripens after Bing.

SOUR CHERRY

Montmorency. The leading sour, or pie cherry of the Pacific Coast and one of the best for the home orchard. Fruits are medium to dark red and medium-sized.



ROYAL ANNE CHERRIES

Luscious BERRIES

BERRY VINES

Price: 50c each, 12 for \$5.00

✓ **Thornless Boysenberry.** Most popular of all vining berries, and the largest in size. Delicious black fruits borne in huge quantities on vigorous canes.

✓ **Thornless Loganberry.** A much-improved type, not only for quality and flavor, but the thornless canes make harvest a pleasure.

✓ **Thornless Youngberry.** Prized for the tangy flavor of its large reddish-black fruits.

• **Cory Thornless Blackberry.** Thornless sport of the Mammoth Blackberry. Large fruits in abundance.

✓ **Thorny forms of all of the above varieties available at 25c each, 12 for \$2.50**

RASPBERRIES

Price: 25c each, 12 for \$2.50

✓ **Cuthbert.** Large deep red fruits with good flavor, good in any section.

✓ **St. Regis.** Red everbearing type of medium size especially adapted to coastal areas.

✓ **Cumberland Blackcap.** The best variety of black raspberry for our climate. Vigorous, productive.

STRAWBERRIES

Price: 25 for \$1.50, 100 for \$5.00

✓ **Banner.** A beautiful deep red, large strawberry for the spring season. Best for our district.

• **Gem.** An excellent everbearing strawberry with a long productive season. Good size and quality.

• **Rockhill.** Produces a good crop beginning the first year and considered the finest everbearing sort. Does not produce runners. 12 for \$2.00, 25 for \$3.50, 100 for \$12.50.

CURRENTS AND GOOSEBERRIES

Price: 50c each, 12 for \$5.00

✓ **Perfection Currant.** Bright red fruits borne profusely on sturdy plants.

• **Oregon Champion Gooseberry.** Excellent quality and prolific. Plant in full sun in rich soil.

ARTICHOKES, RHUBARB AND ASPARAGUS

Globe Artichoke. The finest commercial and home garden variety. Large, plump buds. 35c each, 3 for \$1.00.

Strawberry Rhubarb. Rose-pink stalks tender and excellent in flavor when cooked. 35c each, 3 for \$1.00.

Asparagus Mary Washington. The leading home garden variety. Very productive beginning second year. 12 for 60c, 100 for \$3.50.

GRAPEVINES

CALIFORNIA VARIETIES

Price: 35c each, 12 for \$3.50

✓ **Muscat.** Large white grape with unusual and delicious flavor. Mid-season.

• **Ribier.** Very large round black grape, almost seedless, excellent flavor. Late.

✓ **Thompson Seedless.** Small white tapered fruits have thin skins and no seeds. Early.

✓ **Tokay.** The famous red, crisp-fleshed grape of the Lodi area. Large fruits. Midseason.

AMERICAN VARIETIES

Price: 50c each, 12 for \$5.00

✓ **Concord.** The best-known and most widely planted of all the "slip-skin" varieties. Black fruits have a typical flavor with universal appeal. Midseason.

✓ **Isabella.** Oval, blue-black fruits have a distinct musky flavor. Very popular.



BANNER STRAWBERRIES

How to Grow Berries

All varieties require planting in friable, rich soil. Use plenty of gypsum, peat and manure or compost in preparation to receive the plants.

Strawberries. Trim off the roots straight across, halfway. Set the plants so that the crown is exactly level with the top of the ground. Pack soil firmly about roots and water. Planting distance: 12 to 18 inches.

Berry Vines. These are supplied as rooted tips. Work up the soil thoroughly and plunge spade in planting position. Pull back on spade and insert plants so that roots will be well covered. Pack soil firmly and water. Plant 6 to 8 ft. apart.

Raspberries. Supplied as rooted cuttings. Cut back to leave only three or four buds. Work up ground, plunge spade and insert with roots well covered. Firm soil about roots and water. Planting distance: about 2 feet.

How to Grow Grapes

Planting. Grapevines are supplied as one or two-year rooted cuttings. Cut back tops to two buds and trim off roots to two inches. This pruning is essential though it may sound severe. Work up soil (do not add fertilizer) and plunge spade at planting position. Insert stem so that only two inches of the top remains above ground. Firm soil around roots and stem and water.

Training and Pruning. Provide support for canes or plant against wall or fence. Train strongest shoot straight up, permitting laterals to grow in horizontal position. Begin pruning after second growing season, cutting back spurs on laterals to three or four buds on American varieties and to two buds on California varieties.

Success with Fruit Trees

DONT'S. Before setting out fruit trees, the home orchardist should be cautioned against practices that cause failure. **Do not** plant fruit trees in poorly drained soils. **Do not** use any manure or fertilizer in the tree holes. **Do not** plant when the soil is soggy or saturated. **Do not** fail to prune trees as recommended below.

PLANTING. See Figures 1 and 2. Dig holes more than large enough to accommodate the root system. Fill the bottom of the hole with topsoil and set the bud union exactly at ground level. Fill in with more topsoil, to which has been added peat moss if your soil is heavy. Irrigate at once with a slow stream of water in the basin constructed after planting. Add more soil as required.

PRUNING. At planting time, all trees should be cut back at 24 to 36 inches above the bud union. All of the side branches should be eliminated from apricots, plums and prunes. Two or three buds should be left on three or four well-spaced branches on peaches, nectarines and almonds (see Fig. 1). Apples, pears and cherries usually are whips with few or no side branches, but should there be any, cut them off.

Figure 3 shows the development of the average fruit tree after the first season's growth, and how it should be pruned. All varieties should be thinned out and cut back as indicated in the right-hand diagram **except** cherries, walnuts and figs, which should never be cut back, only thinned out. In general, the same plan for pruning is followed in succeeding years.

CULTURE. Irrigate about once each month during the dry season. A balanced commercial fertilizer can be applied after the trees have been planted about two months, at the rate of about 1/2 pound per tree. Use a manure mulch in the basin during fall and winter.



FIGURE 1

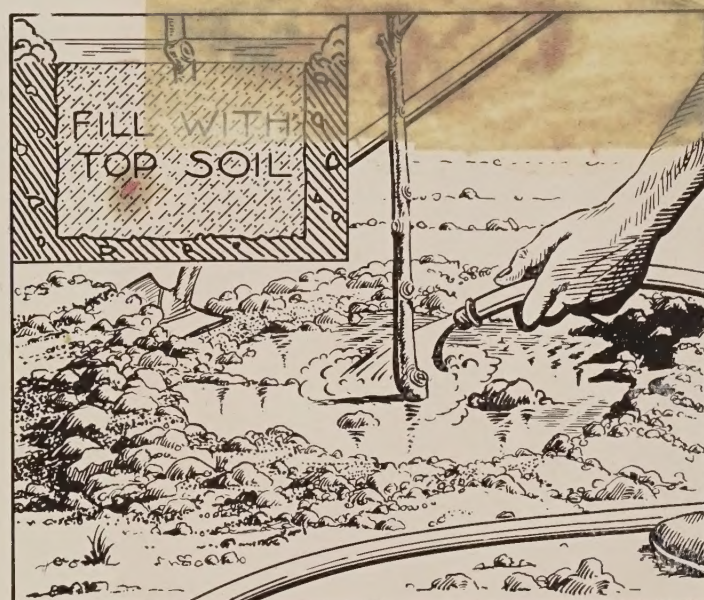
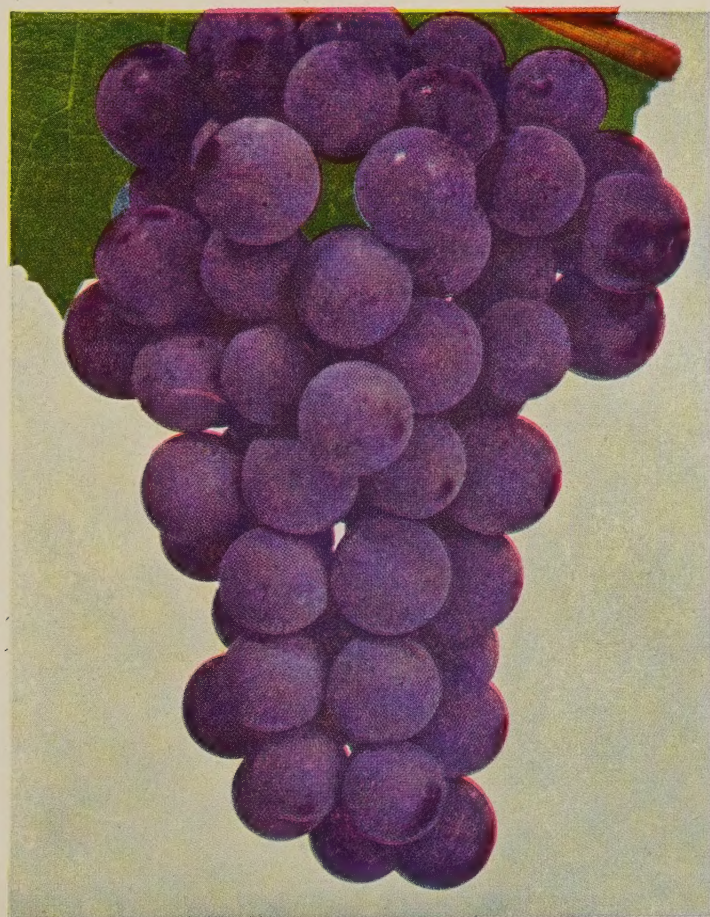


FIGURE 2



CONCORD GRAPE

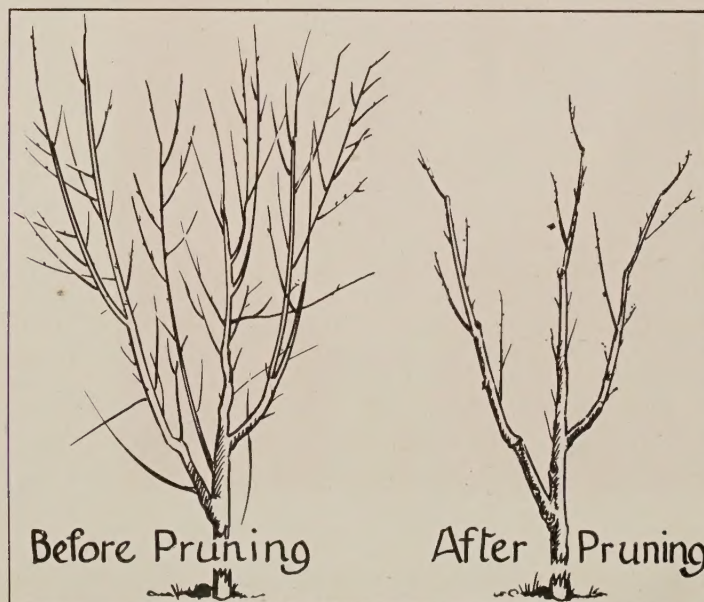


FIGURE 3

Advance Listing of BULBS for SPRING PLANTING



BEACON

GLADIOLUS . . *Rainbow of Colors*

Prices: 12 for \$1.50, 100 for \$10.00

Barcarole. Excellent ruffled salmon-orange of great size and fine texture.

Beacon. Tall spikes of bright scarlet flowers with creamy blotch in throat.

Blue Beauty. A fine medium-blue variety shading darker toward the margin.

Betty Nuthall. Light coral with orange throat and light feathering of carmine.

Commander Koehl. Beautiful deep red, exceedingly rich in color; large size flowers and spikes.

Dr. F. E. Bennett. Large flowers flaming scarlet with throat stippled ruby and white.

Golden Chimes. Long straight spikes and light yellow, large flowers.

Gold Dust. Buttercup-yellow flowers on strong, graceful spikes.

La Fiesta. In a class by itself with its clear orange blooms and golden-orange throat.

Maid of Orleans. A popular creamy-white, with extra large blooms on long spikes.

Margaret Beaton. The best new white. Very large flowers are clear white with small cherry spot in throat.

Minuet. One of the very good clear lavender-flowered varieties.

Pelegrina. Finest of the indigo or violet-blue glads. Large flowers and good spikes.

Picardy. The ever-popular delicate pink variety. Large flowers and straight spikes.

Rosa Van Lima. Pure light pink flowers; many open at one time on long spikes.

Tip-Top. Many consider this the finest red. Extra large, wide open flowers inspiring.

Mixed. Hand-selected assortment of the finest varieties. 12 for \$1.00, 100 for \$7.50.

GORGEOUS *Tuberous* BEGONIAS

Prices: 1¼-1½ in. bulbs, 30c each, 3 for 85c, 12 for \$3.00; 2-2½ in. bulbs, 45c each, 3 for \$1.25, 12 for \$4.50

Camellia-Flowered. Large double flowers exquisitely formed. Colors available are: **pink, white, yellow, orange and red.** Same color choice in the following:

Carnation-Flowered. Fimbriata. Double flowers resemble carnations, delightfully ruffled with margins fimbriated.

Lloydi. Double flowers on trailing stems for hanging baskets.

Picottee. Mixed colors of double flowers, each shaded a complementary hue at the margin.

TIGRIDIAS

The improved large-flowered types of the Mexican Shell Flower are very effective in summer gardens. Plant at intervals from January to March for long season of brilliant flowers.

Mixed: 20c each, 12 for \$2.00.

CANNAS

Prices: 35c each, 3 for \$1.00, 12 for \$3.50

Caliente. Brilliant fiery scarlet-red flowers; foliage bronzy-green.

Copper Giant. Flowers madder-red suffused with rose; green foliage.

Exquisite. Flowers bright rose-pink; foliage green.

Richard Wallace. Finest bright yellow canna; foliage green.

Plants of other varieties available in 1-gal. containers, 75c each.



E. James Nursery
8715 MacARTHUR BLVD.
OAKLAND 3, CALIFORNIA